

## REFERENCES AND REVIEWS

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**SIMPLE MICROSPPECTROPHOTOMETRIC METHOD FOR DETERMINATION OF SERUM CALCIUM**—W. W. Webster, Jr. *Amer. J. Clin. Path.*—Vol. 37:330 (March) 1962.

A simple and reproducible method for the determination of calcium in micro and semimicro quantities of serum is presented. Calcium is quantitatively precipitated by sodium chloranilate. The precipitate is washed with isopropyl alcohol and made to react with ferric chloride to produce an intense and stable color which is measured spectrophotometrically. This method exhibits excellent correlation with the permanganate titration method of Clark and Collip.

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**LEUKOCYTE ISOLATION**—A. R. Christlieb, A. J. Sbarra, and W. A. Bardawil. *Amer. J. Clin. Path.*—Vol. 37:257 (March) 1962.

Introduction of a Teflon homogenizer in conventional leukocyte isolation techniques yields preparations with 99.9 per cent purity and 30 per cent recovery. Resulting cells are morphologically intact, viable as judged by respirometry, phagocytosis, redox activity, and eosin dye uptake. Further, they are capable of producing hypersensitivity reactions in selected patients.

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**DRUG-RESISTANT TUBERCULOSIS: AFTERMATH OF CHEMOTHERAPY**—A. C. Cohen. *Arch. Environ. Health*—Vol. 4:396 (April) 1962.

Drug-resistant tubercle bacilli develop when tuberculosis is treated inadequately. The patient who harbors such bacilli is difficult to treat successfully; his response to drugs is poor, his treatment is prolonged; he has more complications following surgery, his risk of dying of tuberculosis is increased. Drug-resistant tubercle bacilli are often virulent and may be spread to other persons, who then share the first person's refractoriness to treatment. Drug-resistant tubercle bacilli are becoming increasingly common, and pose a threat to the public health; they make the eradication of tuberculosis more difficult. Since they result from inadequate chemotherapy, it is vital that all patients with tuberculosis be treated effectively and adequately from the start.

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**FIFTY-THREE CASES OF COARCTATION OF THE AORTA**—R. R. Martelle and A. J. Moss. *Amer. J. Dis. Child.*—Vol. 103:556 (April) 1962.

The authors review the diagnosis and management of 53 consecutive cases of coarctation of the aorta. They emphasize the low mortality and morbidity rates in surgical correction of the uncomplicated coarctation in childhood and the high incidence of congestive heart failure when coarctation is complicated by other intracardiac defects. Infant mortality is high in those with complicated lesions with either medical or surgical management.

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**FUNCTIONAL CYTOLOGY OF THE HUMAN BASOPHIL IN ALLERGIC PHYSIOLOGIC REACTIONS: TECHNIQUE AND ATLAS**—W. B. Shelley and L. Juhlin. *Blood*—Vol. 19:208 (Feb.) 1962.

A simple method is described for the rapid liquid fixation, concentration, and staining of the blood basophil in man and in experimental animals. Morphologic alterations in basophils have been illustrated and a technique of classifying them has been presented. The technique has proven useful in the study of anaphylactic sensitivity reactions, as well as the cytological responses of the basophil to physiological and pharmacological stimuli.

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Raddin, J.: *Med. Times*, July 1961

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Hootnick, H. J.: *J. Am. Ger. Soc.*, 4:1021-1030, 1956

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Marshall, W.: *S. D. J. Med. & Pharm.*, 8:151-153, 1955

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